

FIG. 1a

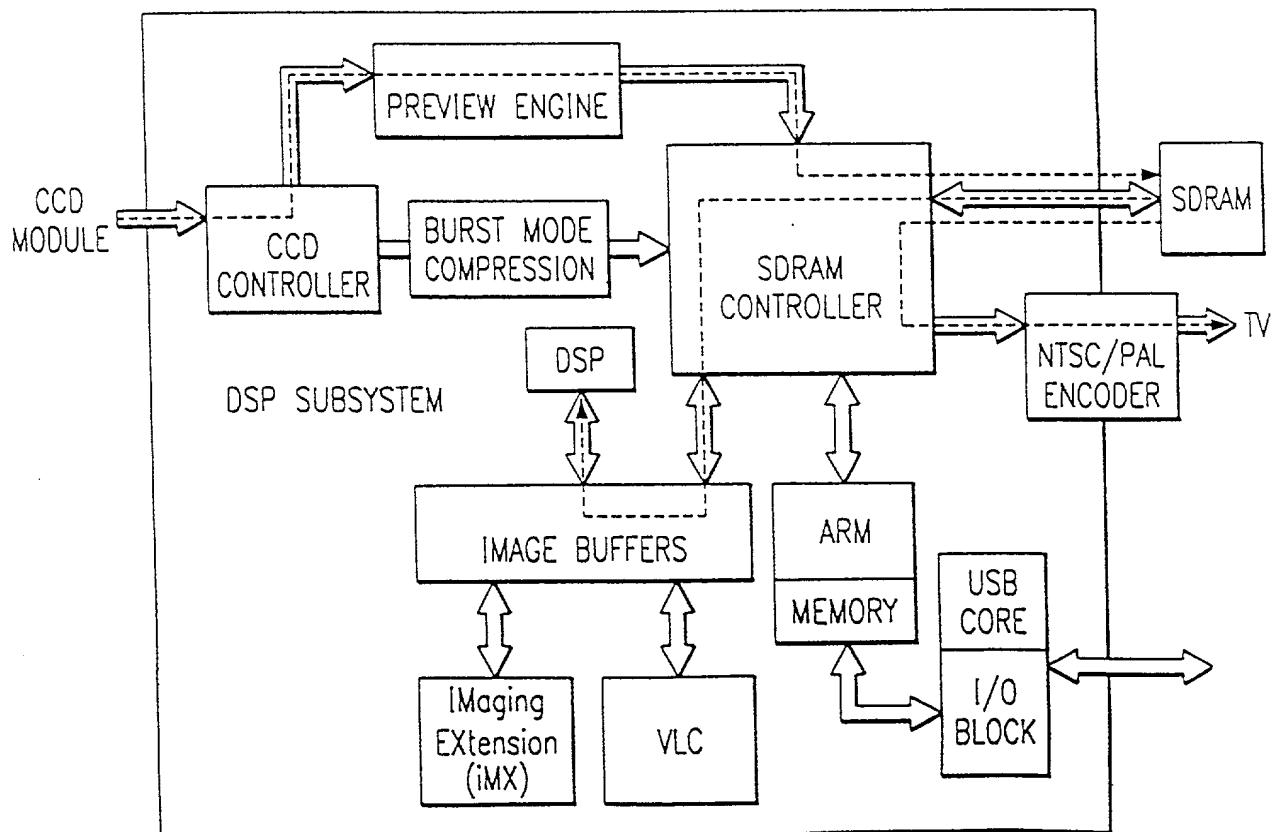


FIG. 2

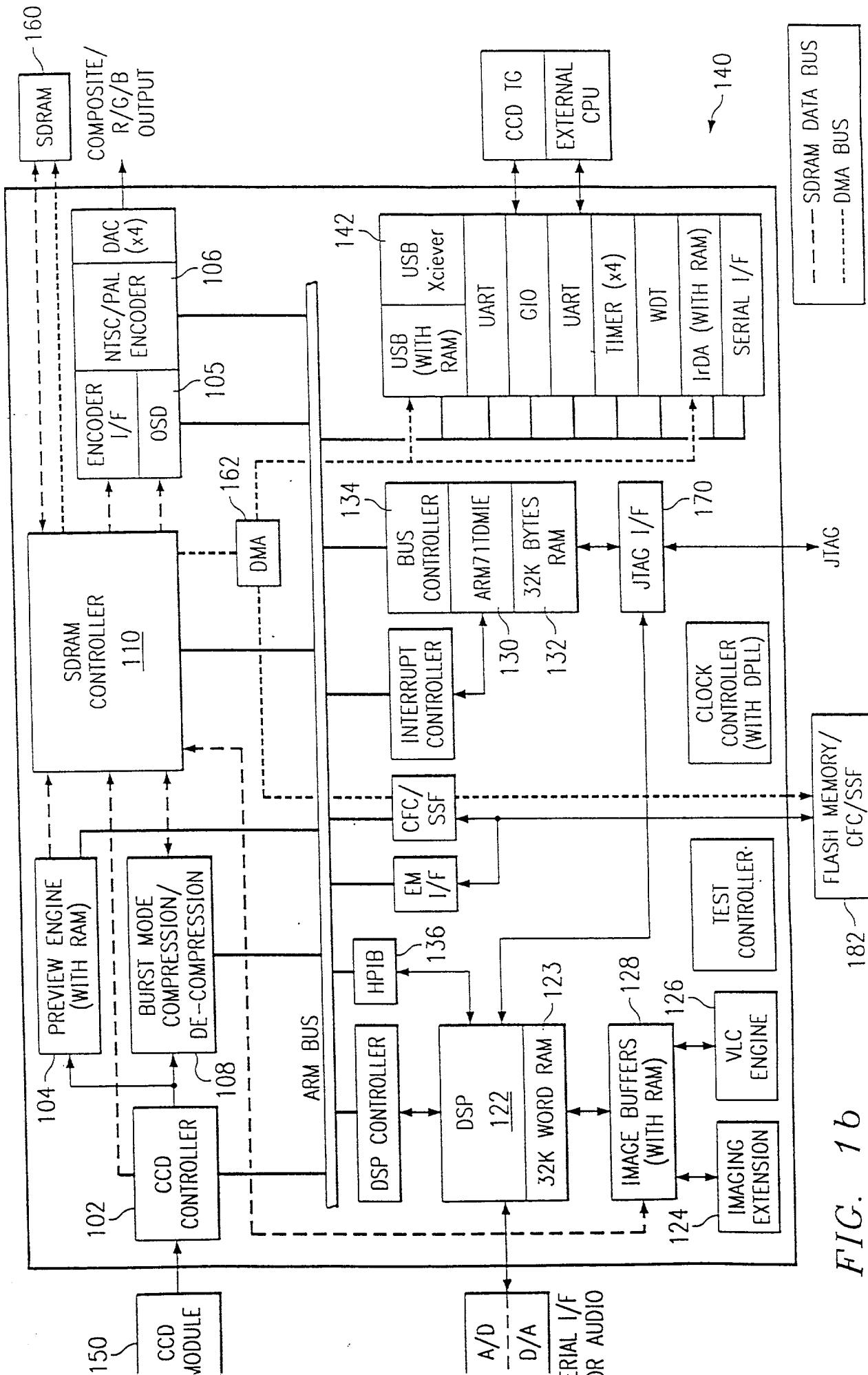


FIG. 16

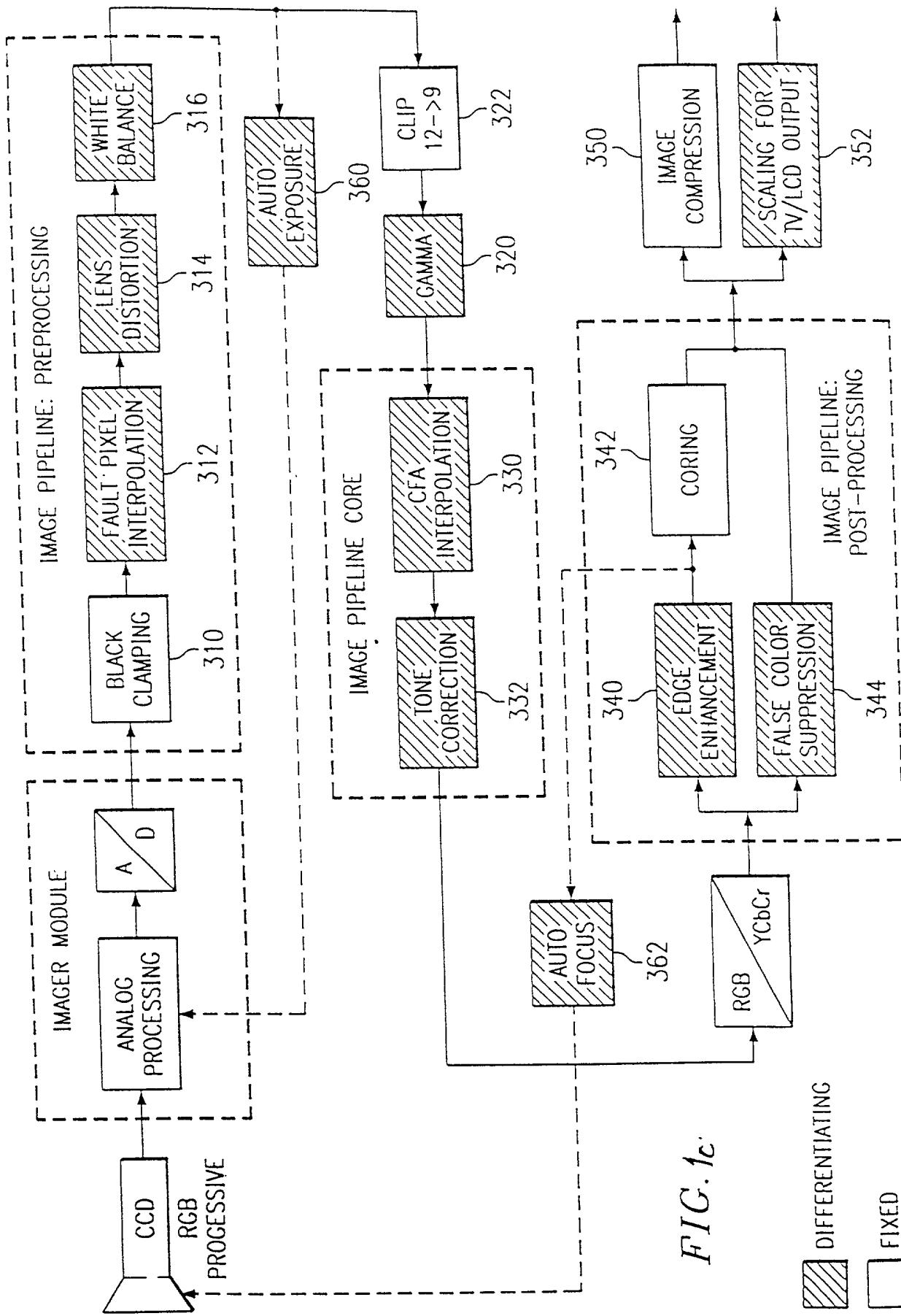


FIG. 1c

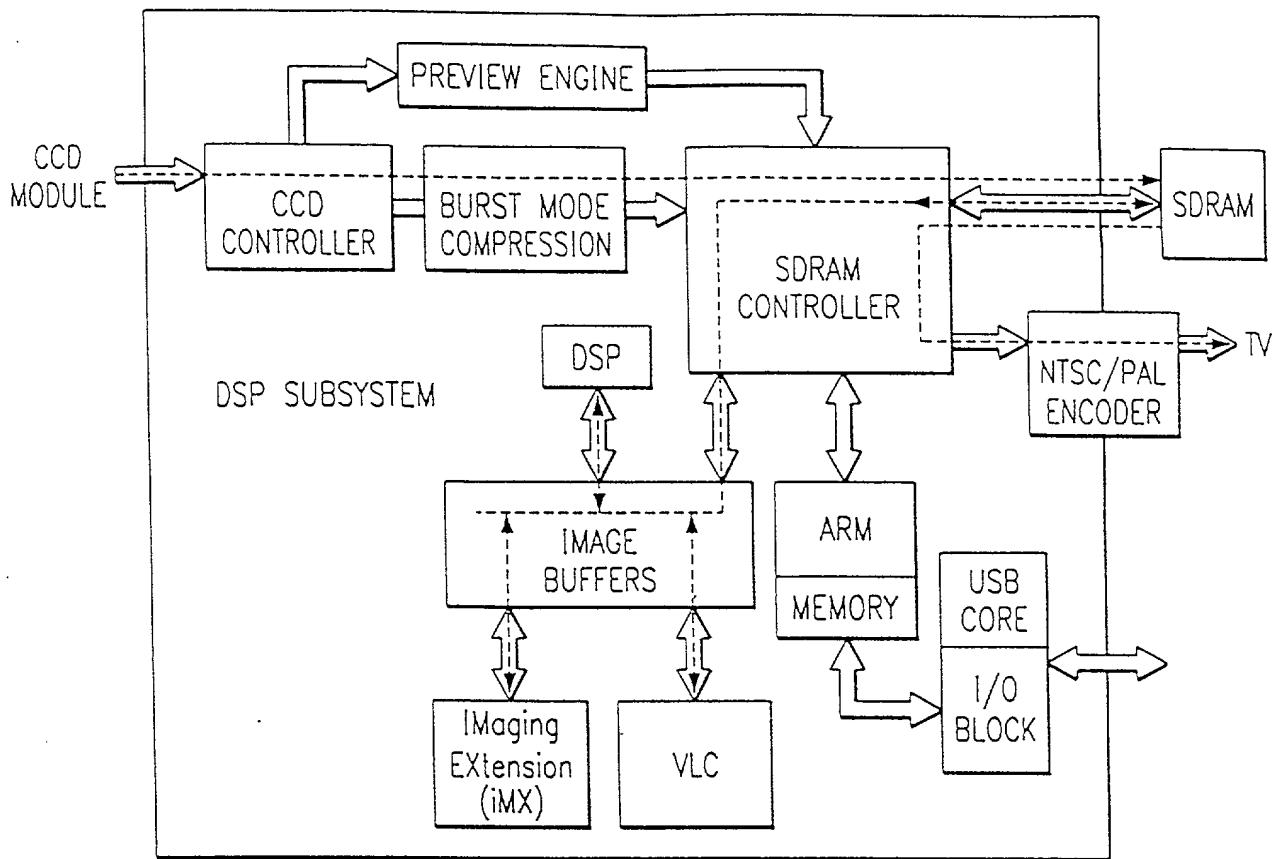


FIG. 3a

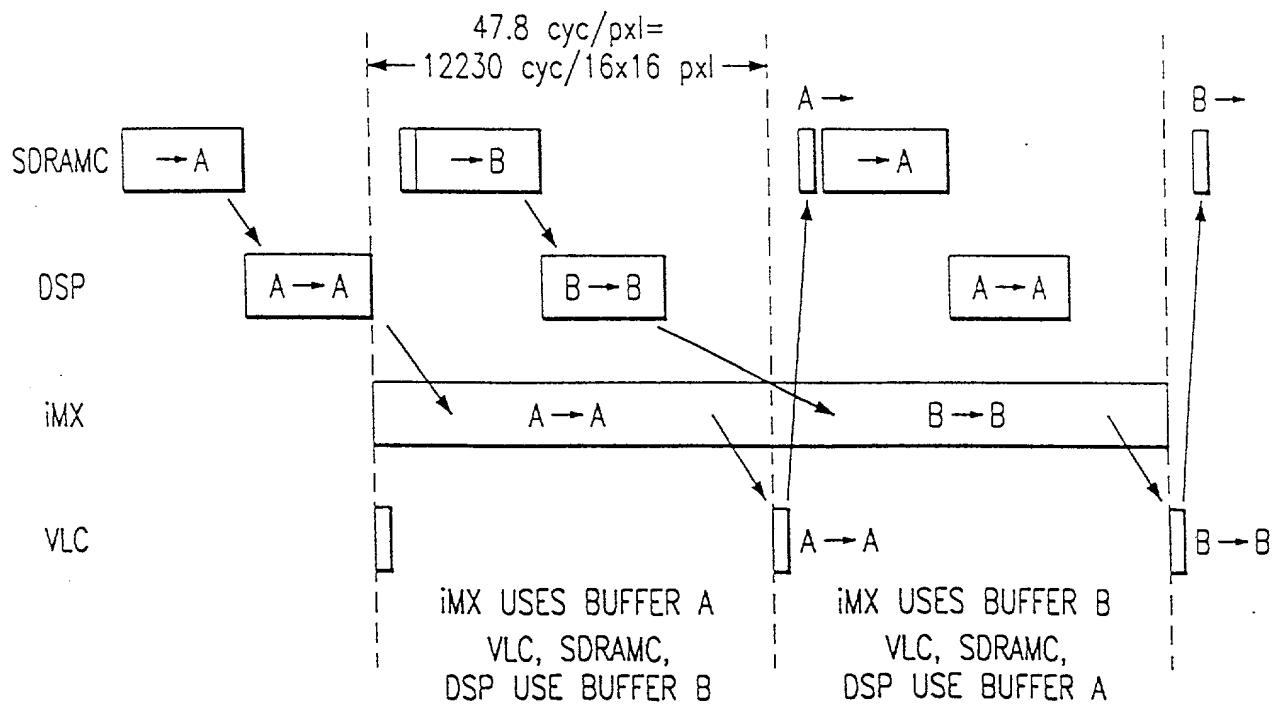


FIG. 3b

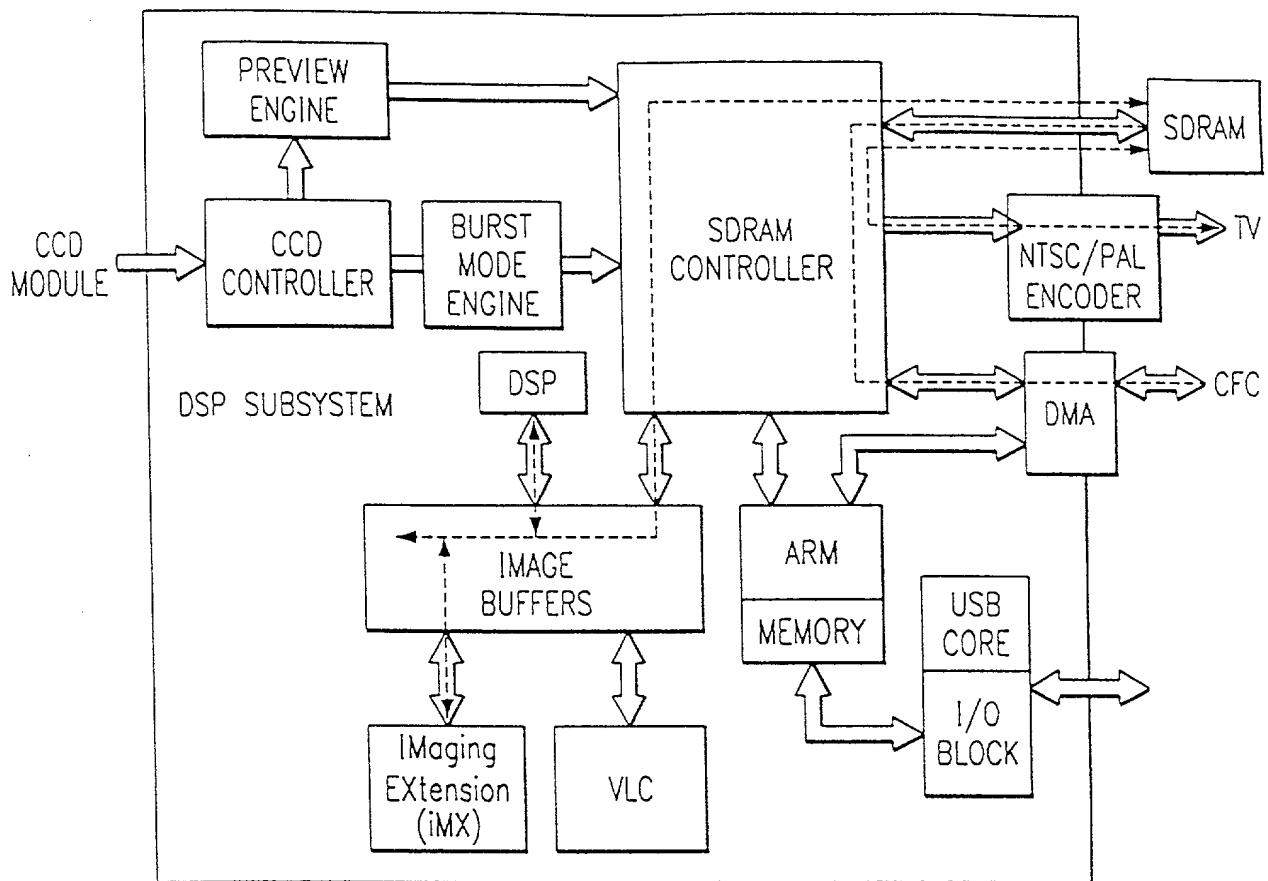
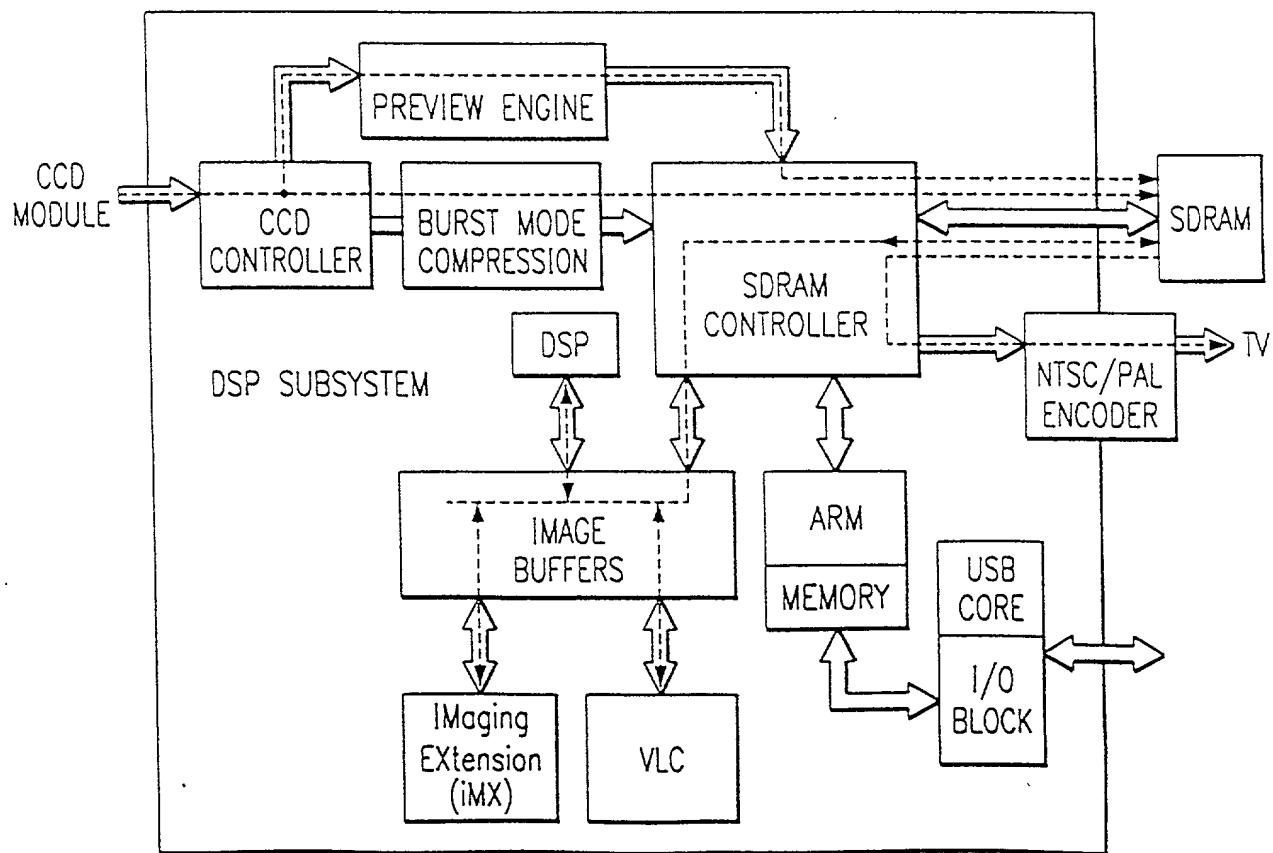


FIG. 4



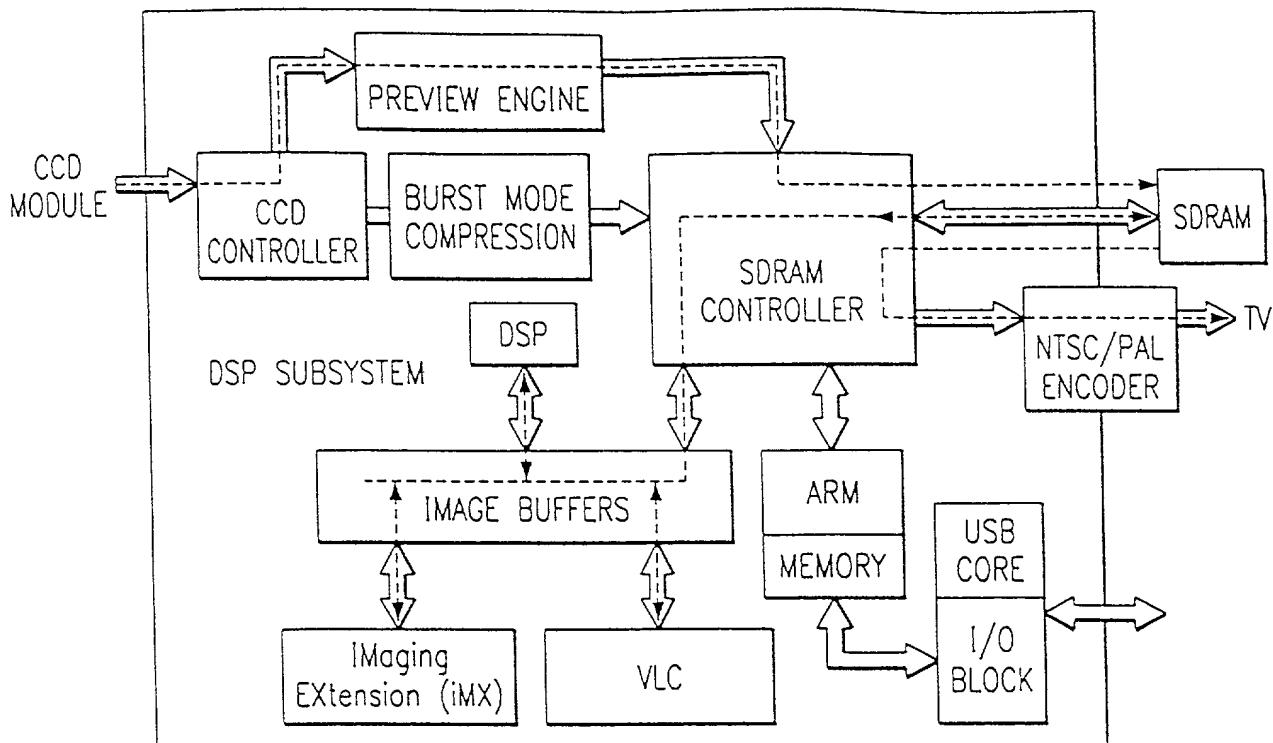


FIG. 6

R	G	R	G
G	B	G	B
R	G	R	G
G	B	G	B

FIG. 7a

Ye	Cy	Ye	Cy
G	Mg	G	Mg
Ye	Cy	Ye	Cy
G	Mg	G	Mg

FIG. 7b

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If( IN[17]=1 or IN[16]=1) then
  OUT[9..0]=0x3FF;
else
  OUT[9..0]=IN[15..6];
end if;

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If( IN[17]=1 or IN[16]=1 or IN[15]=1) then
  OUT[7..0]=0xFF;
else
  OUT[7..0]=IN[14..7];
end if;

```

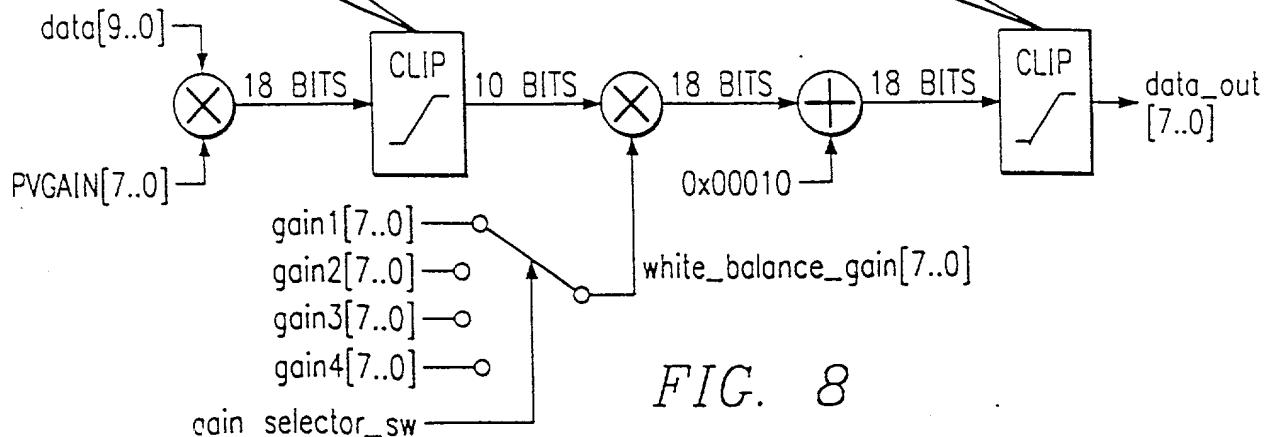
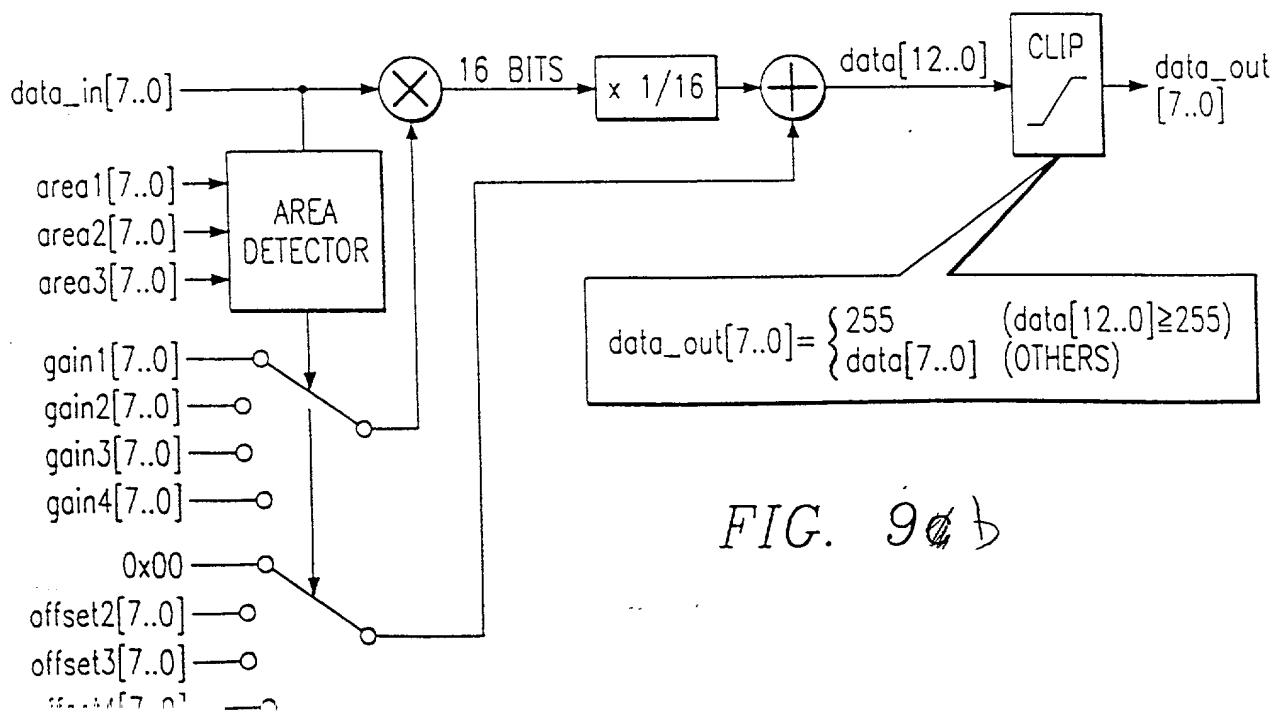
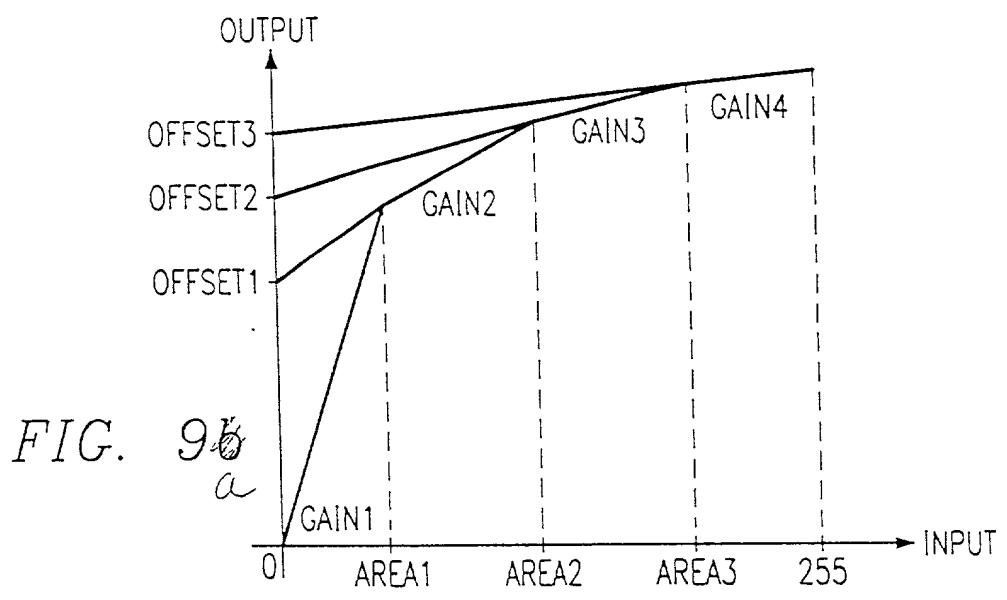
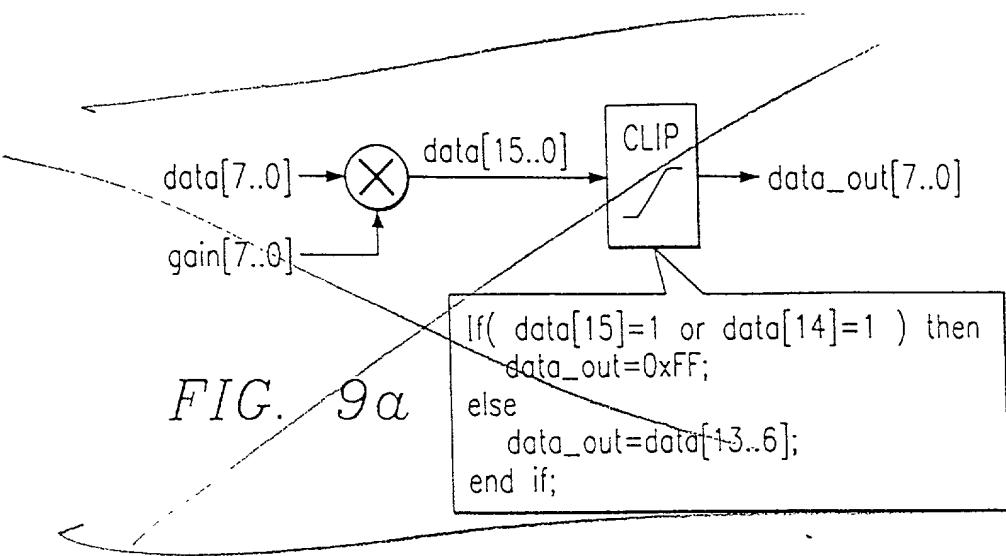


FIG. 8



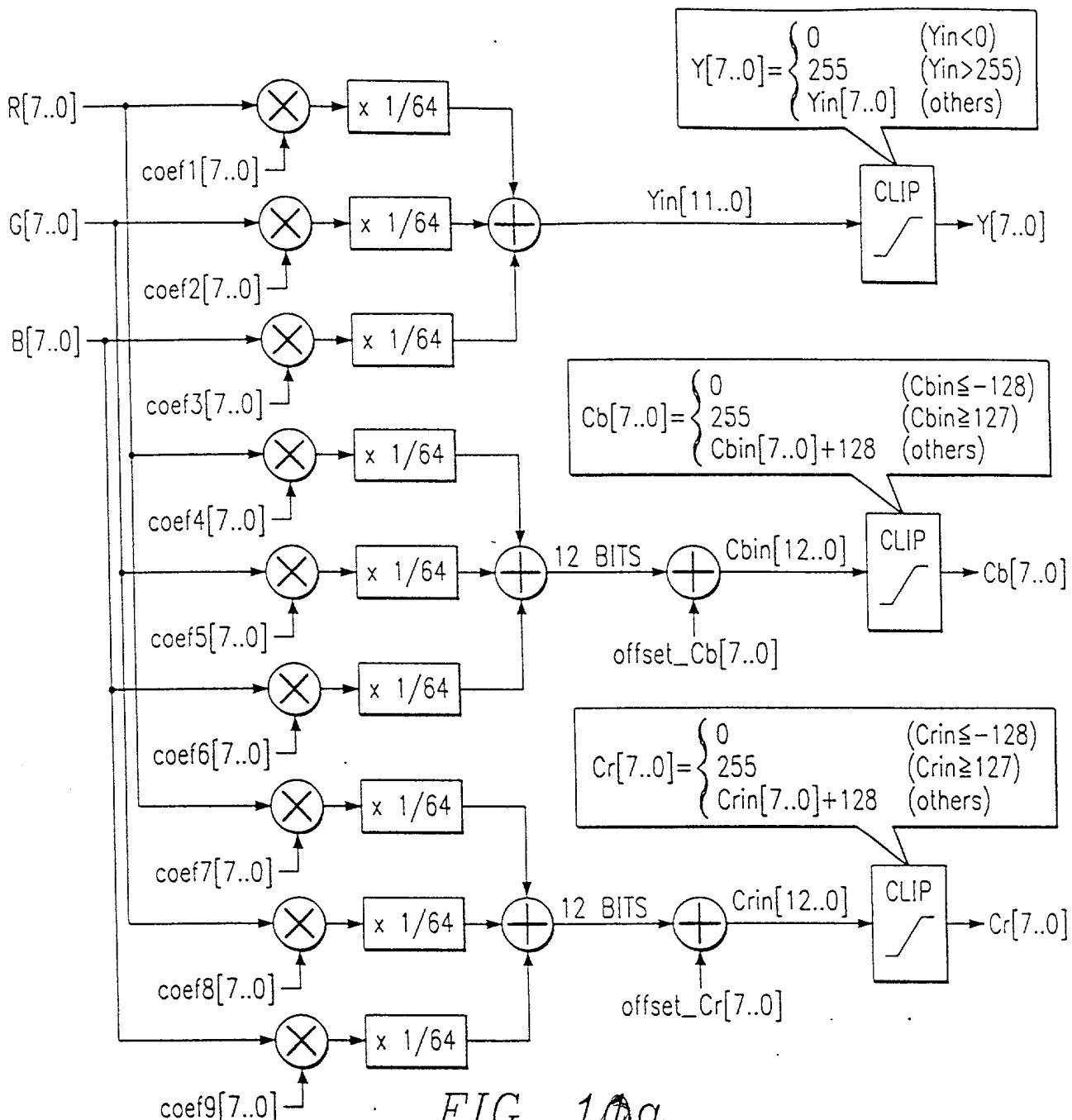


FIG. 10a

OUTPUT
ENHANCEMENT SIGNAL

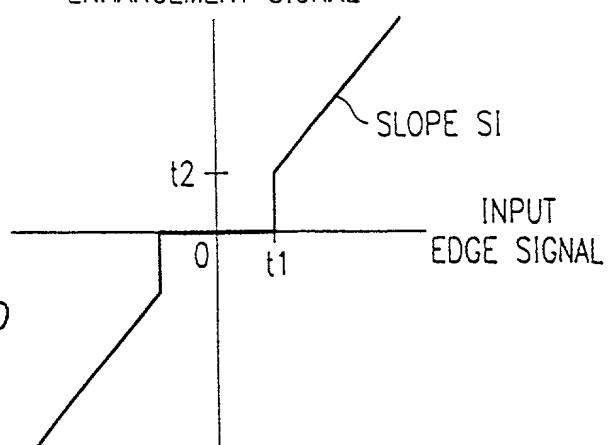


FIG. 10b

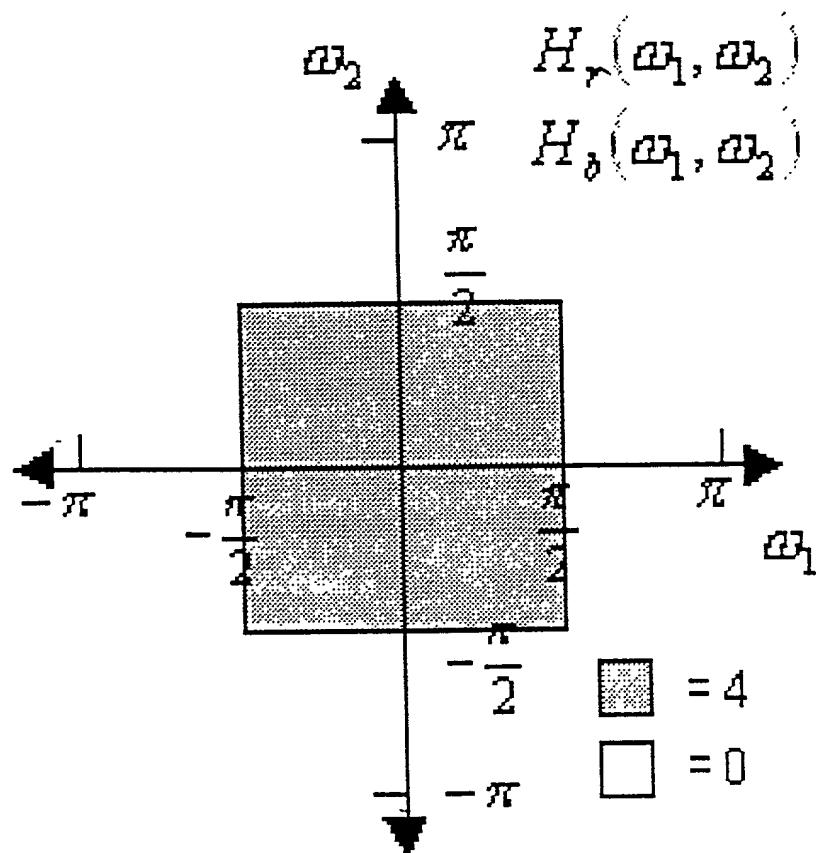


Fig. 11b

(a) Ideal red/blue interpolation filter.

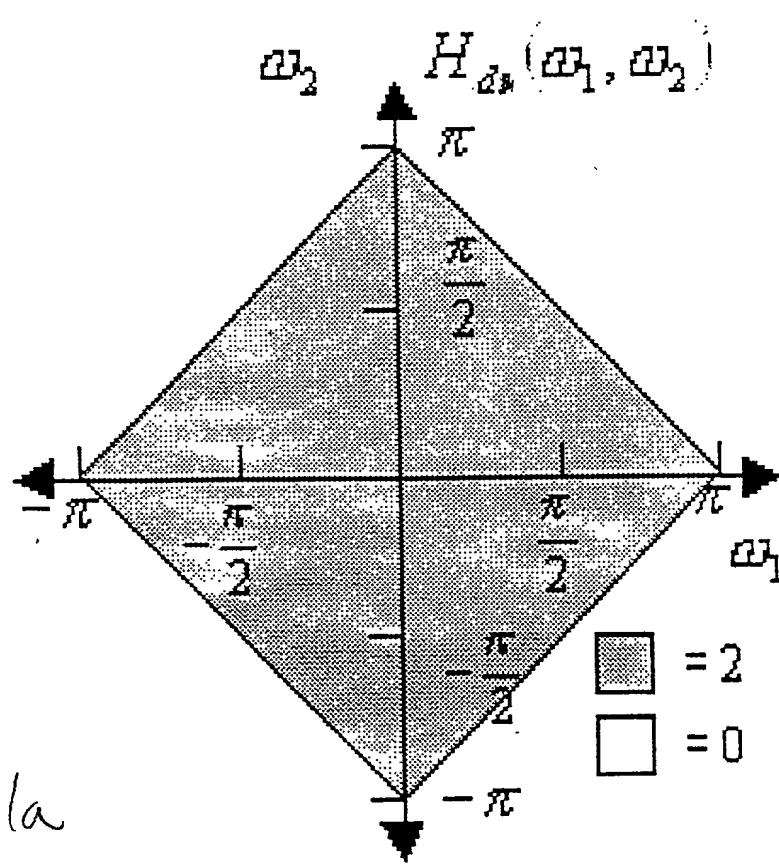


Fig 11a

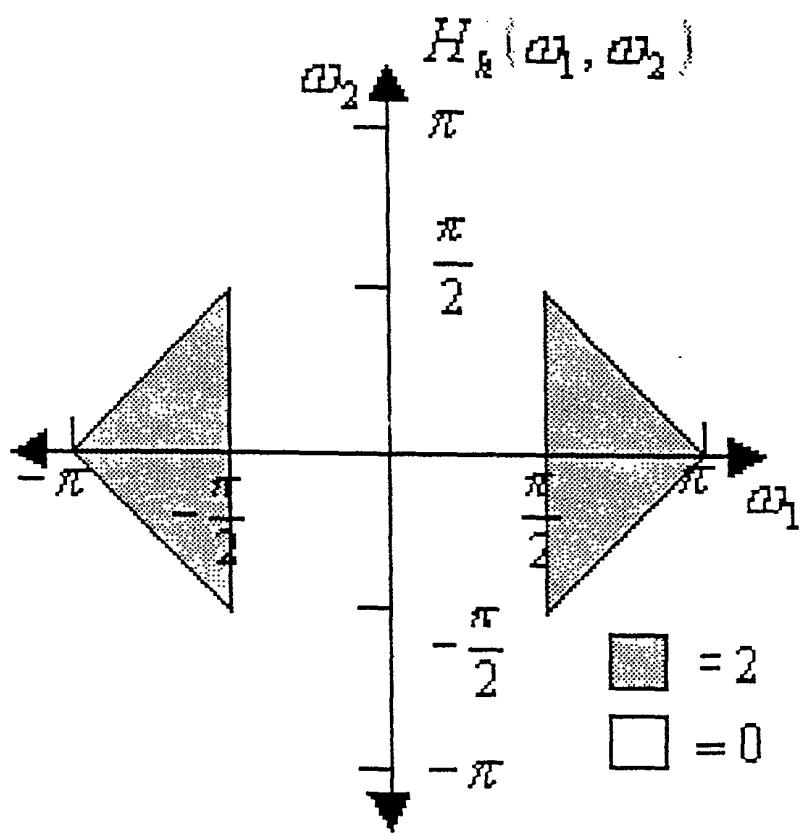


Fig. 11c

(a) Ideal horizontal high-pass filter.

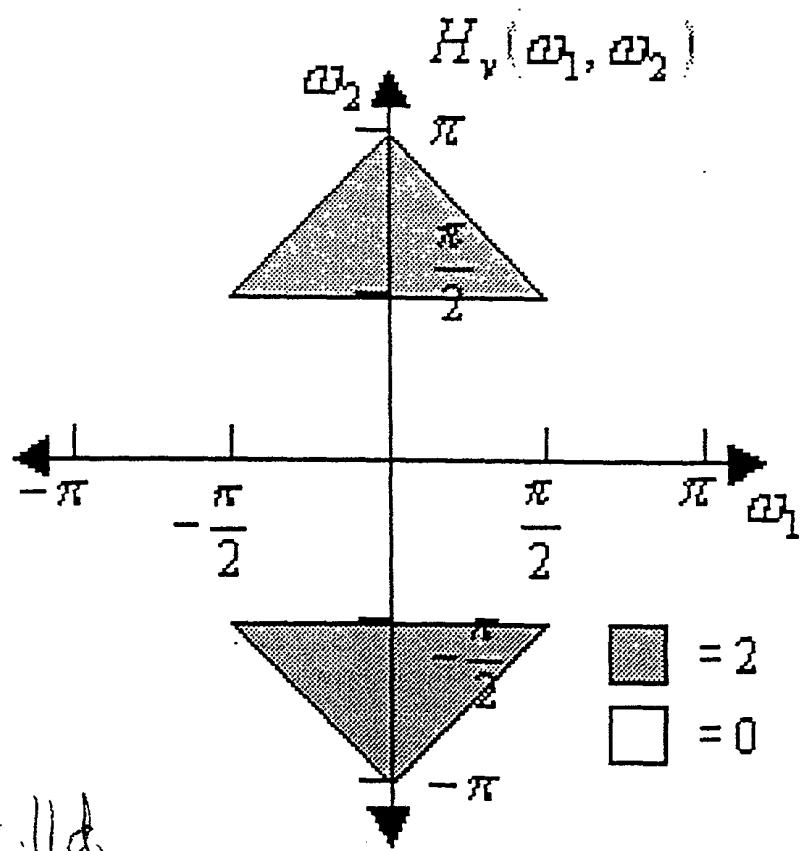


Fig. 11d